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ERTS Image Analysis: Preliminary Report #1  
January 1973

ID # 1062-15190  
Date of Acquisition, 22 Sept. 1972

A simple feature discriminator for sedimentation levels in rivers and shoal estuarine waters has been applied by Dr. J. S. Schubert to the 23 September 1972 Washington Image (ID # 1062-15190). Figure 1 shows the results at the confluence of the Potomac and Anacostia Rivers. Hain's Point and the Washington Channel are also visible.

Procedure: Data values for CCT MMS7 are geographically located by GEOG\_LOC, and then scanned for low values. Geographic coordinates in Channels 4, 5, and 6 are then multiplied thus:  $4 \times 5 \times 6 = \underline{\hspace{1cm}}$ . Previously selected product ranges are matched with each pixel product. The matching range is associated with a type symbol and printed, using ERTS\_MAP. Procedure references are to ERTS\_TAPE, a PL/1 program reported January 1973. The procedure is straight-forward, does not require large core and appears to result in better sedimentation discrimination than photoanalysis.

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